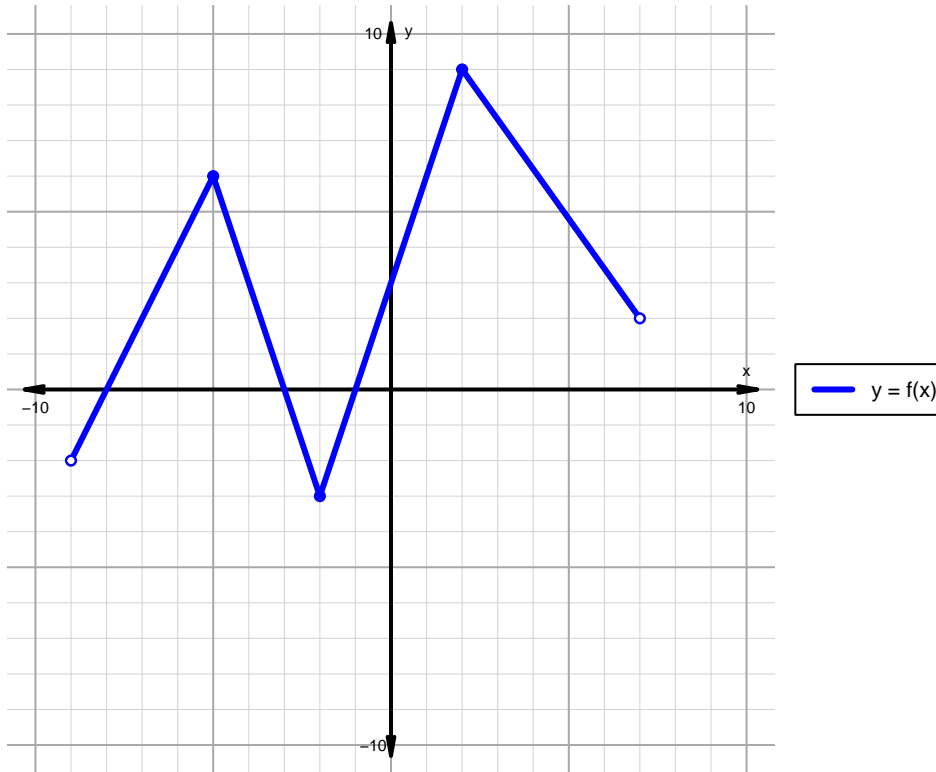


Name: \_\_\_\_\_

Date: \_\_\_\_\_

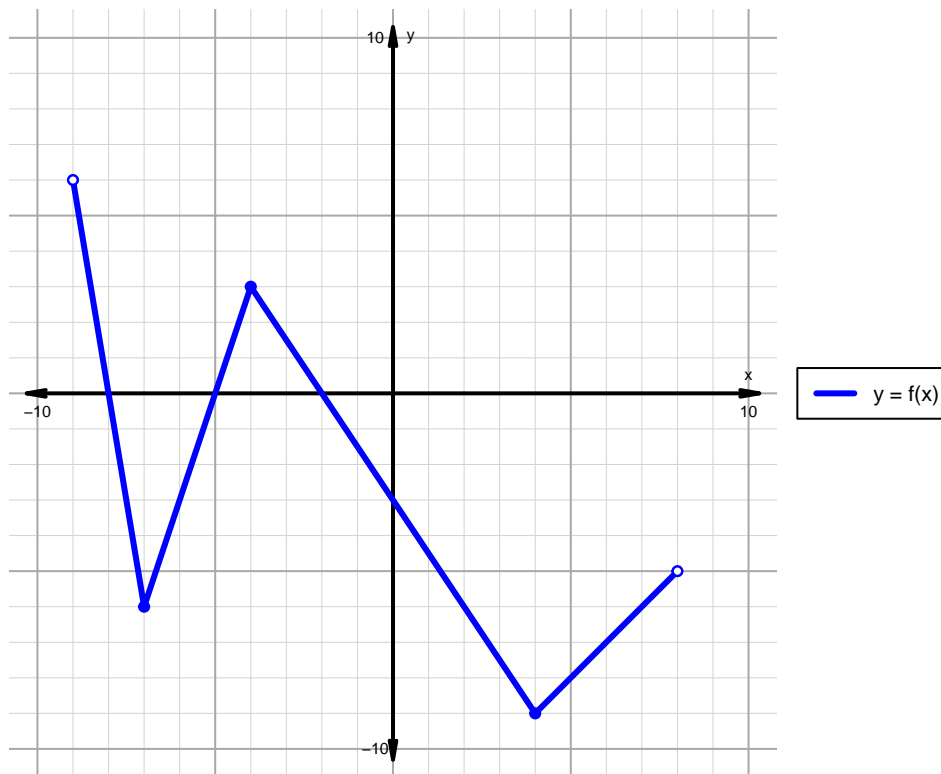
**Function-Feature Intervals (version 20)**1. The function  $f$  is graphed below.

Indicate the following intervals using interval notation. Remember, you can use  $\cup$  between two intervals to indicate the union. Except for range, all intervals will indicate  $x$  values; this is standard.

Feature	Where
Positive	$(-8, -3) \cup (-1, 7)$
Negative	$(-9, -8) \cup (-3, -1)$
Increasing	$(-9, -5) \cup (-2, 2)$
Decreasing	$(-5, -2) \cup (2, 7)$
Domain	$(-9, 7)$
Range	$(-3, 9)$

## Function-Feature Intervals (version 20)

2. The function  $f$  is graphed below.



Indicate the following intervals using interval notation. Remember, you can use  $\cup$  between two intervals to indicate the union. Except for range, all intervals will indicate  $x$  values; this is standard.

Feature	Where
Positive	$(-9, -8) \cup (-5, -2)$
Negative	$(-8, -5) \cup (-2, 8)$
Increasing	$(-7, -4) \cup (4, 8)$
Decreasing	$(-9, -7) \cup (-4, 4)$
Domain	$(-9, 8)$
Range	$(-9, 6)$